

Appl. No. 09/730,689
Reply to Office Action of August 23, 2005

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) An electrical power distribution unit comprising:

a housing having no internal battery;

an electrical power input assembly located substantially in the housing of the power distribution unit and adapted to be electrically connected to an electrical power supply; and

a circuit panel comprising a plurality of electrical power output assemblies located substantially in the housing of the power distribution unit and electrically connected to the input assembly, and adapted to receive electrical power from the input assembly, the plurality of electrical power output assemblies including a plurality of output connections, each output connection structured and adapted to be hard-wired to a piece of equipment to provide electrical power, and a plurality of receptacles, each receptacle adapted to receive an equipment plug to provide electrical power from one of the electrical power output assemblies, and at least one of the receptacles being electrically connected to the electrical power input assembly without directly contacting ~~a component~~ any of the plurality of electrical power output assemblies of the circuit panel of the power distribution unit.

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2. (Previously presented) The power distribution unit of claim 1 wherein the housing is rack mountable and the electrical power input assembly is adapted to be electrically connected to the electrical power supply separate and apart from the power distribution unit.

3. (Previously presented) The power distribution unit of claim 1 wherein the housing includes a front access door and a back access door.

4. (Previously presented) The power distribution unit of claim 1 which further comprises a meter located within the housing and adapted to monitor at least one property of electrical power passing through the input assembly.

5. (Previously presented) The power distribution unit of claim 1 which further comprises a transformer adapted to be in electrical communication with both the electrical power supply and the input assembly.

6. (Previously presented) The power distribution unit of claim 1 wherein the input assembly is adapted to be electrically connected to a single phase electrical power supply or to a three phase electrical power supply.

7. (Previously presented) The power distribution unit of claim 1 wherein the input assembly is adapted to be electrically connected to a single phase electrical power supply.

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8. (Previously presented) The power distribution unit of claim 1 wherein each of the output assemblies includes a different circuit breaker.

9. (Previously presented) The power distribution unit of claim 1 wherein the plurality of electrical power output assemblies includes a plurality of differently configured receptacles for accommodating differently configured equipment plugs.

10. (Previously presented) The power distribution unit of claim 1 further comprising a circuit panel and wherein the plurality of electrical output assemblies are mounted in the circuit panel.

11. (Canceled)

12. (Previously presented) The power distribution unit of claim 1 wherein at least one of the receptacles is electrically connected to the electric power input assembly by a wire.

13. (Previously presented) The power distribution unit of claim 1 wherein the plurality of output connections comprise at least about 8 output connections.

14. (Previously presented) The power distribution unit of claim 1 wherein the plurality of receptacles comprises at least about 8 receptacles.

15. (Previously presented) The power distribution unit of claim 1 which further comprises a switch structured and

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positioned to alternately connect and disconnect one of two or more electrical power supplies to the electrical power input assembly.

16. (Currently amended) An electrical power distribution unit comprising:

a rack mountable housing having no internal battery;
an electrical power input assembly located substantially in the housing of the power distribution unit and adapted to be electrically connected to an electrical power supply; and

a circuit panel comprising a plurality of electrical power output assemblies located substantially in the housing of the power distribution unit and electrically connected to the input assembly, and adapted to receive electrical power from the input assembly, the plurality of electrical power output assemblies including a plurality of output connections, each output connection structured and adapted to be hard-wired to a piece of equipment to provide electrical power and at least one receptacle electrically connected to the input assembly without directly contacting ~~a component~~ any of the plurality of electrical power output assemblies of the circuit panel of the power distribution unit, and being structured to receive an equipment plug to provide electrical power.

17. (Previously presented) The power distribution unit of claim 16 wherein the housing is adapted to be mounted on a 19 inch or 23 inch rack and the electrical power input assembly is adapted to be electrically connected to the electrical power supply separate and apart from the power distribution unit.

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18. (Previously presented) The power distribution unit of claim 16 which further comprises a meter located within the housing and adapted to monitor at least one property of electrical power passing through the input assembly.

19. (Previously presented) The power distribution unit of claim 16 wherein each of the output assemblies includes a different circuit breaker.

20. (Previously presented) The power distribution unit of claim 16 which further comprises a switch structured and positioned to alternately connect and disconnect one of two or more electrical power supplies to the electrical power input assembly.

21. (Currently amended) An electrical power distribution system comprising:

a plurality of electrical power distribution units, each electrical power distribution unit being adapted to be electrically connected with at least one of the other electrical power distribution units, each of the electrical power distribution units comprising:

a housing having no internal battery;

an electrical power input assembly located substantially in the housing of the power distribution unit and adapted to be electrically connected to an electrical power supply; and

a circuit panel comprising a plurality of electrical power output assemblies located substantially in the housing of the power distribution unit and electrically connected to the input assembly, and adapted to receive electrical power from the

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input assembly, the plurality of electrical power output assemblies including a plurality of output connections, each output connection structured and adapted to be hard-wired to a piece of equipment to provide electrical power, and a plurality of receptacles, each receptacle structured and adapted to receive an equipment plug and to provide electrical power from one of the electrical power output assemblies, and at least one of the receptacles being electrically connected to the input assembly without directly contacting ~~a component~~ any of the plurality of electrical power output assemblies of the circuit panel of the power distribution unit.

22. (Previously presented) The system of claim 21 wherein each of the housings is rack mountable and the electrical power input assembly is adapted to be electrically connected to the electrical power supply separate and apart from the power distribution unit.

23. (Previously presented) The system of claim 21 wherein each of the electrical power distribution units further comprises a meter disposed within the housing and adapted to monitor at least one property of electrical power passing through the input assembly.

24. (Previously presented) The system of claim 21 which further comprises a switch structured and positioned to alternately connect and disconnect one of two or more electrical power supplies to the electrical power input assembly of one of the units.

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25. (Previously presented) The power distribution unit of claim 1, wherein the plurality of electrical power output assemblies are located substantially in the housing.